

L Number	Hits	Search Text	DB	Time stamp
1	0	JP-52010847-\$.did.	EPO; JPO; DERWENT	2003/01/28 11:17
2	1	JP-77010847-\$.did.	EPO; JPO; DERWENT	2003/01/28 11:18
3	2	JP-60231723-\$.did.	EPO; JPO; DERWENT	2003/01/28 11:21
4	37	ethylenediamine and (glycidyl adj ether)	EPO; JPO; DERWENT	2003/01/28 11:29
5	105	ethylenediamine same (glycidyl adj ether)	USOCR	2003/01/28 11:45
6	1419	((516/129) or (564/475) or (564/477) or (564/503) or (564/504) or (564/506) or (564/508)).CCLS.	USPAT; US-PPGPUB	2003/01/28 11:45
7	6429	ethylenediamine	USOCR	2003/01/28 12:57
8	834	((516/129) or (564/475) or (564/477) or (564/503) or (564/504) or (564/506) or (564/508)).CCLS.	USOCR	2003/01/28 11:45
9	103	ethylenediamine and (((516/129) or (564/475) or (564/477) or (564/503) or (564/504) or (564/506) or (564/508)).CCLS.)	USOCR	2003/01/28 11:46
10	10	2817675.URPN.	USPAT	2003/01/28 12:49
11	37797	ethylenediamine	USPAT; US-PPGPUB	2003/01/28 12:57
12	114	(((516/129) or (564/475) or (564/477) or (564/503) or (564/504) or (564/506) or (564/508)).CCLS.) and ethylenediamine	USPAT; US-PPGPUB	2003/01/28 14:43
14	105	alkylglycidyl adj ether	USPAT; US-PPGPUB	2003/01/28 15:16
15	289	\$4butylglycidyl adj ether	USPAT; US-PPGPUB	2003/01/28 15:16
17	0	propanol near3 (aminoethyl adj amine)	USPAT; US-PPGPUB	2003/01/28 15:15
16	1	propanol near3 aminoethylamine	USPAT; US-PPGPUB	2003/01/28 15:16
18	376	(alkylglycidyl adj ether) (\$4butylglycidyl adj ether)	USPAT; US-PPGPUB	2003/01/28 15:15
19	0	((516/129) or (564/475) or (564/477) or (564/503) or (564/504) or (564/506) or (564/508)).CCLS.) and ((alkylglycidyl adj ether) (\$4butylglycidyl adj ether))	USPAT; US-PPGPUB	2003/01/28 15:15
20	0	propanol near3 (aminoethyl adj amine)	USOCR	2003/01/28 15:16
21	3	alkylglycidyl adj ether	USOCR	2003/01/28 15:16
22	44	\$4butylglycidyl adj ether	USOCR	2003/01/28 15:16
23	0	propanol near3 aminoethylamine	USOCR	2003/01/28 15:16
24	0	((alkylglycidyl adj ether) (\$4butylglycidyl adj ether)) and ((516/129) or (564/475) or (564/477) or (564/503) or (564/504) or (564/506) or (564/508)).CCLS.)	USOCR	2003/01/28 15:17
25	6	((alkylglycidyl adj ether) (\$4butylglycidyl adj ether)) same ethylenediamine	USPAT; US-PPGPUB	2003/01/28 15:20
26	1	eda same (bge ibge hge 4ibge 4bge)	USPAT; US-PPGPUB	2003/01/28 15:21

DERWENT-ACC-NO: 1986-004352
DERWENT-WEEK: 198601
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TITLE: Hydroxy:alkylamine additive, for epoxy! resins -
prepd. by reacting
aliphatic amine with epichlorohydrin

PATENT-ASSIGNEE: MITSUBISHI RAYON CO LTD[MITR]

PRIORITY-DATA: 1984JP-0061828 (March 29, 1984)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
JP 60231723 A	November 18, 1985	N/A
007	N/A	

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
JP 60231723A	N/A	1984JP-0061828
March 29, 1984		

INT-CL (IPC): C08G059/64; C09D003/58 ; C09J003/16

ABSTRACTED-PUB-NO: JP 60231723A

BASIC-ABSTRACT: Additive of formula (I) is new. R1, R2, R3 and R4 are H, a 1-17C (un)satd. aliphatic gp., alicyclic gp., aromatic gp., heterocyclic gp., or heterocycle residue except nitrogen bound by R1-R4; however, these gps. may be substd. by halogen, nitro, alkoxy, allyloxy or acetyl; R1, R2, R3 and R4 may be identical or different.

(I) may be obtd. by reaction of cpd. of formula (II) and cpd. of formula (III). Pref. (II) is e.g. an aliphatic amine such as methylamine, ethylamine, n-propylamine, 3-ethoxy-propylamine, dibutylaminopropylamine, allylamine, 2-ethylhexylamine, hexamethylenediamine or dicyclohexylamine, aromatic amine

such as aniline, p-aminobenzoic acid, m-xylylenediamine or diaminodiphenyl ether, or other cpd. such as dibenzylamine, 4-aminopyridine, N-aminopropylmorpholine, bisaminopropylpiperadine, piperadine, 5-fluorouracil, beta-alanine, glutamic acid or aminocaproic acid. (III) is e.g. epichlorohydrin, phenyl glycidyl ether, cyclohexene oxide, ethylene oxide, dimethylpentane oxide, diglycidyl ether, butanediol diglycidyl ether, ethylene glycol diglycidyl ether, divinylbenzene dioxide, butyl glycidyl ether, styrene oxide, allyl glycidyl ether, dipentene monooxide or 3(pentadecyl) phenyl glycidyl ether.

ADVANTAGE - (I) can markedly elevate bending strength and elastic modulus of epoxy resins.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS:

HYDROXY ALKYLAMINE ADDITIVE POLYEPOXIDE RESIN PREPARATION
REACT ALIPHATIC AMINE
EPICHLOROHYDRIN

DERWENT-CLASS: A21 E19 G02 G03

CPI-CODES: A05-A01B; A08-M09B; E07-H; E10-B03; G02-A02G;

CHEMICAL-CODES:

Chemical Indexing M3 *01*

Fragmentation Code

F010 F011 F014 F019 F020 F021 F029 F111 F199 F421
F423 F431 F433 G001 G002 G003 G010 G011 G012 G013
G019 G030 G039 G040 G050 G100 G111 G112 G113 G553
G563 G599 H321 H322 H323 H341 H342 H343 H361 H362
H363 H381 H382 H383 H4 H401 H481 H521 H522 H523
H541 H542 H543 H561 H562 H563 H581 H582 H583 H584
H600 H602 H608 H609 H621 H622 H623 H641 H642 H643
H661 H662 H663 H681 H682 H683 H684 H685 H686 H689
H716 H721 H722 H723 H8 J011 J012 J171 J172 J581
J582 J583 M121 M122 M123 M124 M125 M126 M132 M143
M210 M211 M212 M213 M214 M215 M216 M220 M221 M222
M223 M224 M225 M226 M231 M232 M233 M240 M262 M272

M273 M280 M281 M282 M283 M311 M312 M313 M314 M315
M316 M320 M321 M322 M323 M331 M332 M333 M334 M342
M343 M344 M349 M352 M362 M371 M372 M373 M381 M382
M383 M391 M392 M393 M413 M414 M415 M416 M510 M520
M521 M522 M523 M530 M531 M532 M533 M540 M541 M542
M543 M620 M710 M903 Q130 Q132

UNLINKED-DERWENT-REGISTRY-NUMBERS: 1062S

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0034 0211 0222 0228 1282 1319 1323 1601 2000
2180 2198 2199 2319

2628 2632 1643

Multipunch Codes: 014 03& 163 169 170 171 173 199 226 231
24& 273 311 336 342

359 360 37- 42- 551 560 566 567 570 720 725

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1986-001952

DERWENT-ACC-NO: 1977-28443Y
DERWENT-WEEK: 197716
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TITLE: Fungicidal polyalkylene polyamine derivs. prepn. -
e.g. (3)-octaoxy
(2)-hydroxypropyl diethylene triamine

PATENT-ASSIGNEE: TAKEMOTO YUSHI KK[TAKT]

PRIORITY-DATA: 1969JP-0105442 (December 30, 1969)

PATENT-FAMILY:		PUB-DATE	LANGUAGE
PUB-NO	PAGES	MAIN-IPC	
JP 77010847 B	000	March 26, 1977	N/A
		N/A	

INT-CL (IPC): A01N009/20; A61K031/13 ; C07C093/04

ABSTRACTED-PUB-NO: JP 77010847B

BASIC-ABSTRACT: Cpd. having fungicidal and mouldicidal activity are of formula (III). (III) are prep'd. by treating polyalkylenopolyamine of formula (I) with glycidyl ether deriv. of general formula (II)

In the formula R is 2-3C alkylene; R1 is oleophile gp. comprising alkyl or 6-16C alkylaryl; R2 is oleophile gp. of formula: R1OCH₂-CH(OH)-CH₂; R3-6 are each H or as R2 n is 1 or 2.

) TITLE-TERMS:
FUNGICIDE DERIVATIVE PREPARATION HYDROXYPROPYL

DERWENT-CLASS: C03

CPI-CODES: C10-B01B; C12-A02;

CHEMICAL-CODES:

Chemical Indexing M2 *01*

Fragmentation Code

H1 H4 H5 M282 M283 M210 M220 M225 M231 M232
M233 M270 M281 M312 M313 M314 M332 M331 M322 M323

M342 M340 M343 M380 M393 H182 H183 H401 H481 H482
H483 H484 H581 H582 H583 H584 H589 M620 N010 P002
P241 P242 M510 M520 M530 M540 M720 M416 M902

Chemical Indexing M2 *02*

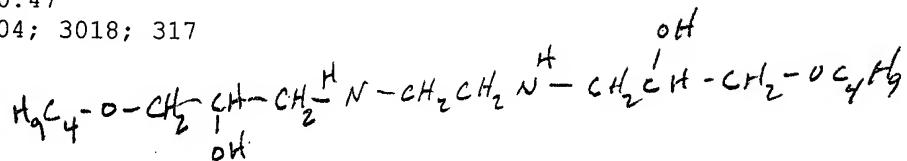
Fragmentation Code

H1 H4 H5 M282 M283 M210 M220 M225 M226 M231
M232 M233 M240 M270 M281 M312 M313 M314 M332 M331
M322 M323 M342 M340 M343 M380 M393 G040 M533 M532
M531 H182 H183 H401 H481 H482 H483 H484 H541 H542
H543 H581 H582 H583 H584 H589 N010 P002 P241 P242
M510 M520 M540 M720 M414 M902

L3 ANSWER 1 OF 2 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN): 1785066 Beilstein
 Molecular Formula (MF): C₁₆H₃₆N₂O₄
 Chemical Name (CN): N,N'-bis-<2-hydroxy-3-isobutoxy-propyl>-ethylenediamine
 N,N'-Bis-<2-hydroxy-3-isobutoxy-propyl>-aethylendiamin
 Autonom Name (AUN): 1-<2-(2-hydroxy-3-isobutoxy-propylamino)-ethylamino>-3-isobutoxy-propan-2-ol
 Beilstein Reference (SO): 4-04-00-01874
 Formula Weight (FW): 320.47
 Lawson Number (LN): 3204; 3018; 317

Ring System Data:
 Number of Rings (CNR): 0
 Acyclic Heteros (CNAH): 6



* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Preparation:

PRE

Start: BRN=103667 1,2-epoxy-3-isobutoxy-propane, BRN=3665358
ethylenediamine hydrate

Reference(s):

1. Pollard; Wicker, J.Org.Chem., 17<1952>1, CODEN: JOCEAH

Note(s):

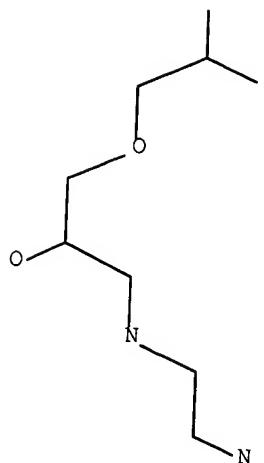
2. Handbook Data

L3 ANSWER 2 OF 2 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN): 1747162 Beilstein
 Molecular Formula (MF): C₉H₂₂N₂O₂
 Chemical Name (CN): 1-<2-amino-ethylamino>-3-isobutoxy-propan-2-ol
 1-<2-Amino-aethylamino>-3-isobutoxy-propan-2-ol
 Synonym (SY): N-<2-Hydroxy-3-isobutyloxy-propyl>-aethylendiamin;
 3-<2-Amino-aethylamino>-2-hydroxy-1-isobutyloxy-propan
 Autonom Name (AUN): 1-(2-amino-ethylamino)-3-isobutoxy-propan-2-ol
 Beilstein Reference (SO): 3-04-00-00844
 Formula Weight (FW): 190.29
 Lawson Number (LN): 3204; 3018; 317

Ring System Data:

Number of Rings (CNR): 0
 Acyclic Heteros (CNAH): 4



Preparation:

PRE

Detail: BRN=1739621

Reference(s):

1. Flores-Gallardo; Pollard, J.Org.Chem., 12<1947>832, CODEN: JOCEAH

Note(s):

2. Handbook Data

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